

ABSTRACT

A method is described for forming an opening in a geological formation. The method may include forming a portion of an opening in the formation. An acoustic wave may be
5 provided to a portion of the formation. The acoustic wave may propagate between at least one geological discontinuity of the formation and at least a portion of the opening. At least one reflection of the acoustic wave may be sensed in at least a portion of the opening. The sensed reflection may be used to assess an approximate location of at least a portion of the opening in the formation. An additional portion of the opening may be formed based on, at
10 least in part, the assessed approximate location of at least a portion of the opening.